

WASHINGTON UNIVERSITY



SCHOOL OF MEDICINE
SAINT LOUIS

THE EDWARD MALLINCKRODT
DEPARTMENT OF PHARMACOLOGY
EUCLID AVENUE AND KINGSHIGHWAY

January 12, 1960

Dr. Joshua Lederberg
Department of Genetics
Stanford University School of Medicine
Palo Alto, California

Dear Josh:

I should have written a long time ago, both to send you the copy of the enclosed reprint and to ask if you have any particular comments (especially regarding the last paragraph). Since publication, I have not gotten very far in working out the structures of the sugars, X, Y and Z. They are certainly weird substances. The organism, incidentally, is your W 3656 (DAP-). I have had a look at its lipopolysaccharide, which is also unusual, but its unusual components do not appear so far to be identical to X, Y or Z. A nucleotide separation has just been finished with E. coli W (left here in the Microbiology Department), and to my surprise it did not contain TDP-X, TDP-Y or TDP-Z or any other TDP-derivative. Also, its lipopolysaccharide fractionates differently from that of W 3656; I am just in the process of hydrolyzing it.

I would like to look at the nucleotides in your E. coli W stock from which W 3656 was derived, and, since I am anxious to do the experiment, I would appreciate it a great deal if you would send a culture to me.

The preliminary note managed to get published without my noticing that an acknowledgement to the source of the culture was left out, for which I apologize. I will correct it when the full paper is written. Incidentally, I have had a recent inquiry from Elizabeth Work regarding the origin of this culture and I would appreciate the information. I would like the same information for W 3231. Is it the same as Davis' 173-25?

I may be in San Francisco the first week in April, and if so, I hope to get down to Palo Alto. Greetings to Esther and the biochemical gang.

Sincerely,

Jack
Jack L. Strominger

JLS/szl

Strominger, J.L.